

ductruong

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:22:59 ON 21 APR 2009

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COST IN U.S. DOLLARS

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TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

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FILE 'RDISCLOSURE' ENTERED AT 14:23:29 ON 21 APR 2009

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FILE 'USPATFULL' ENTERED AT 14:23:29 ON 21 APR 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 14:23:29 ON 21 APR 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 14:23:29 ON 21 APR 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

=> s (copolymer# or co-polymer#) and first repeat unit# and second repeat unit#

1 FILES SEARCHED...

3 FILES SEARCHED...

5 FILES SEARCHED...

L1 241 (COPOLYMER# OR CO-POLYMER#) AND FIRST REPEAT UNIT# AND SECOND  
REPEAT UNIT#

=> s l1 and (aryl or heteroaryl)

L2 175 L1 AND (ARYL OR HETEROARYL)

=> s l1 and (backbone consisting of aryl or heteroaryl)

3 FILES SEARCHED...

5 FILES SEARCHED...

L3 70 L1 AND (BACKBONE CONSISTING OF ARYL OR HETEROARYL)

=> s l3 and (phenyl or biphenyl)

5 FILES SEARCHED...

L4 63 L3 AND (PHENYL OR BIPHENYL)

=> s l4 and (nickel or palladium)

L5 51 L4 AND (NICKEL OR PALLADIUM)

=> s l5 and boronic acid and boronic ester# and borane

ductruong

5 FILES SEARCHED...

L6 44 L5 AND BORONIC ACID AND BORONIC ESTER# AND BORANE

=> s l6 and Ar2

L7 11 L6 AND AR2

=> s l7 and fluorene and spirobifluorene

L8 4 L7 AND FLUORENE AND SPIROBIFLUORENE

=> d l8 1-4

L8 ANSWER 1 OF 4 PCTFULL COPYRIGHT 2009 Univentio on STN  
AN 2005056638 PCTFULL ED 20050628 EW 200525  
TIEN OLIGOMERS AND POLYMERS  
TIFR OLIGOMERES ET POLYMERES  
PA COVION ORGANIC SEMICONDUCTORS GMBH, Industriepark Hochst, F 821, 65926  
Frankfurt am Main, DE [DE, DE], for all designates States except US  
AG DOERR, Klaus, Industriepark Hoechst, Geb. F 821, 65926 Frankfurt am  
Main, DE  
LAF English  
LA English  
DT Patent  
PI WO 2005056638 A1 20050623  
DS W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR  
CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID  
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG  
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RW-U (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
PRAI EP 2003-03028789.0 20031213  
AI WO 2004-EP14152 A 20041213  
ICM C08G073-00  
ICS C08G073-02; C08G061-12; C08G061-00; C09K011-06; H01L051-30; H01B001-12

L8 ANSWER 2 OF 4 PCTFULL COPYRIGHT 2009 Univentio on STN  
AN 2005017065 PCTFULL ED 20050302 EW 200508  
TIEN OLIGOMER AND POLYMER COMPRISING TRIPHENYL PHOSPHINE UNITS  
TIFR OLIGOMERE ET POLYMERE COMPORTANT DES UNITES PHOSPHINE TRIPHENYLE  
IN TOWNS, Carl, Crown Cottage, 193 Silver Street, Mountfitchet, Stansted,  
Essex. CM24 8HB, GB [GB, GB];  
REES, Ian, 3 Celtic House, Hooper Street, Cambridge CB1 3EQ, GB [GB,  
GB];  
GRIZZZI, Ilaria, 220 Cromwell Road, Cambridge, CB1 3EQ, GB [GB, GB];  
WALLACE, Paul, 11 Redwing Rise, Royston, Hertfordshire SG8 7XU, GB [GB,  
GB]  
PA COVION ORGANIC SEMICONDUCTORS GMBH, 65926 Frankfurt am Main, DE [DE,  
DE], for all designates States except US;  
TOWNS, Carl, Crown Cottage, 193 Silver Street, Mountfitchet, Stansted,  
Essex. CM24 8HB, GB [GB, GB], for US only;  
REES, Ian, 3 Celtic House, Hooper Street, Cambridge CB1 3EQ, GB [GB,

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GB], for US only;  
GRIZZI, Ilaria, 220 Cromwell Road, Cambridge, CB1 3EQ, GB [GB, GB], for  
US only;  
WALLACE, Paul, 11 Redwing Rise, Royston, Hertfordshire SG8 7XU, GB [GB,  
GB], for US only  
AG DOeRR, Klaus, Industriepark Hoechst, Geb. F821, 65926 Frankfurt am Main,  
DE  
LAF English  
LA English  
DT Patent  
PI WO 2005017065 A1 20050224  
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RW-U (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
PRAI EP 2003-03018832.0 20030819  
AI WO 2004-EP9249 A 20040818  
ICM C09K011-06  
ICS C08G061-12  
  
L8 ANSWER 3 OF 4 PCTFULL COPYRIGHT 2009 Univentio on STN  
AN 2004106409 PCTFULL ED 20041215 EW 200450  
TIEN POLYMER  
TIFR POLYMERE  
IN WALLACE, Paul, 11, Redwing Rise, Royston, Hertfordshire SG8 7XU, GB [GB,  
GB]  
PA COVION ORGANIC SEMICONDUCTORS GMBH, 65926 Frankfurt am Main, DE [DE,  
DE], for all designates States except US;  
WALLACE, Paul, 11, Redwing Rise, Royston, Hertfordshire SG8 7XU, GB [GB,  
GB], for US only  
AG DOeRR, Klaus, Industriepark Hoechst, Geb. F821, 65926 Frankfurt am Main,  
DE  
LAF English  
LA English  
DT Patent  
PI WO 2004106409 A1 20041209  
DS W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR  
CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID  
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PRAI EP 2003-0312409.3 20030530  
AI WO 2004-EP5818 A 20040528  
ICM C08G073-00  
ICS C08G061-00; C08G061-12; H01L051-00; H01L051-30  
  
L8 ANSWER 4 OF 4 USPATFULL on STN  
AN 2006:282258 USPATFULL  
TI Polymer  
IN Wallace, Paul, 11 Redwing Rise Royston, Hertfordshire, UNITED KINGDOM  
SG8 7XU  
PA Covion Organic Semiconductors GmbH, Frankfurt am Main, GERMANY, FEDERAL  
REPUBLIC OF, D-65926 (non-U.S. corporation)  
PI US 20060241202 A1 20061026  
AI US 2004-558578 A1 20040528 (10)  
WO 2004-EP5818 20040528  
20060201 PCT 371 date  
PRAI EP 2003-12409 20030530  
DT Utility  
FS APPLICATION  
LN.CNT 561  
INCL INCLM: 523/001.000  
NCL NCLM: 523/001.000  
IC IPCI C08G0061-02 [I,A]; C08G0061-00 [I,C\*]; C08J0003-00 [I,A]  
IPCR C08G0061-00 [I,C]; C08G0061-02 [I,A]; C08G0061-00 [I,A];  
C08G0073-00 [I,C\*]; C08G0073-02 [I,A]; C08J0003-00 [I,C];  
C08J0003-00 [I,A]; H01L0051-00 [N,C\*]; H01L0051-00 [N,A];  
H01L0051-05 [I,C\*]; H01L0051-30 [I,A]; H01L0051-50 [N,C\*];  
H01L0051-50 [N,A]  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 17 1-11

L7 ANSWER 1 OF 11 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN  
AN 2001:23014 EPFULL  
DUPD 20011024 DUPW 200143  
TIEN LUMINESCENT POLYMER.  
TIFR POLYMERE LUMINESCENT.  
TIDE LUMINESZENTE POLYMER.  
IN TOWNS, Carl, Robert, Cambridge Display Tech. Ltd., Greenwich House,  
Madingley Rise, Madingley Road, Cambridge CB3 OHJ, GB;  
O'DELL, Richard, Cambridge Display Tech. Ltd., Greenwich House,  
Madingley Rise, Madingley Road, Cambridge CB3 OHJ, GB;  
LUX, Andrea, Cambridge Display Tech. Ltd, Greenwich House, Madingley  
Rise, Madingley Road, Cambridge CB3 OHJ, GB  
PA Cambridge Display Technology Limited, Greenwich House, Madingley Rise,  
Madingley Road, Cambridge, CB3 OHJ, GB  
PAN 1621153  
DT Patent  
LAF English  
LA English  
LAP English  
TL German; English; French  
PIT WO/01 International application published with search report  
PI WO 2001062869 A1 20010830

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DS AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR  
EXTENSION STATES: AL LT LV MK RO SI  
AI EP 2001-907911 A 20010226  
WO 2001-GB825 A 20010226  
PRAI GB 2000-4541 A 20000225  
WO 2000-GB911 A 20000313  
US 2000-207724P P 20000526  
IC.VER 7  
ICM C09K011-06  
ICS H05B033-14; H01L051-20  
  
AN 2001:23014 EPFULL  
DUPD 20041117 DUPW 200447  
TIEN LUMINESCENT POLYMER.  
TIFR POLYMERE LUMINESCENT.  
TIDE LUMINESZENTE POLYMER.  
IN TOWNS, Carl, Robert, Cambridge Display Tech. Ltd., Greenwich House,  
Madingley Rise, Madingley Road, Cambridge CB3 OHJ, GB;  
O'DELL, Richard, Jettenstetten 23, D-84416 Taufkirchen, DE;  
LUX, Andrea, Cambridge Display Tech. Ltd, Greenwich House, Madingley  
Rise, Madingley Road, Cambridge CB3 OHJ, GB  
PA Cambridge Display Technology Limited, Building 2020, Cambourne Business  
Park, Cambridgeshire, CB3 6DW, GB  
PAN 1621157  
DT Patent  
LAF English  
LA English  
LAP English  
TL German; English; French  
PIT EPA1 Application published with search report  
PI EP 1257611 A1 20021120  
WO 2001062869 20010830  
DS AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR  
AI EP 2001-907911 A 20010226  
WO 2001-GB825 A 20010226  
PRAI GB 2000-4541 A 20000225  
WO 2000-GB911 A 20000313  
US 2000-207724P P 20000526  
IC.VER 7  
ICM C09K011-06  
ICS H05B033-14; H01L051-20  
  
AN 2001:23014 EPFULL ED 20050203 UP 20080116  
DUPD 20080116 DUPW 200803  
TIEN LUMINESCENT POLYMER.  
TIFR POLYMERE LUMINESCENT.  
TIDE LUMINESZENTE POLYMER.  
IN TOWNS, Carl, Robert, Cambridge Display Tech. Ltd., Greenwich  
House, Madingley Rise, Madingley Road, Cambridge CB3 OHJ, GB;  
O'DELL, Richard, Jettenstetten 23, D-84416 Taufkirchen, DE;  
LUX, Andrea, Cambridge Display Tech. Ltd, Greenwich House, Madingley  
Rise, Madingley Road, Cambridge CB3 OHJ, GB  
PA Cambridge Display Technology Limited, Building 2020, Cambourne Business  
Park, Cambridgeshire, CB3 6DW, GB  
PAN 1621157  
DT Patent  
LAF English  
LA English  
LAP English

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TL German; English; French  
PIT EPB1 Granted patent  
PI EP 1257611 B1 20050202  
WO 2001062869 20010830  
DS AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR  
AI EP 2001-907911 A 20010226  
WO 2001-GB825 A 20010226  
PRAI GB 2000-4541 A 20000225  
WO 2000-GB911 A 20000313  
US 2000-207724P P 20000526  
REP WO 2000046321 A  
WO 9732914 A  
WO 9954385 A  
DE 19709185 A  
US 5777070 A  
REN (1) YAMAMOTO, TAKAKAZU ET AL: " $\pi$ - Conjugated Donor - Acceptor Copolymers Constituted of  $\pi$ -Excessive and  $\pi$ -Deficient Arylene Units. Optical and Electrochemical Properties in Relation to CT Structure of the Polymer" J. AM. CHEM. SOC. (1996), 118(43), 10389-10399 , XP002165566  
(2) NG P K ET AL: "QUINOXALINE-BASED CONJUGATED POLYMERS CONTAINING RUTHENIUM(II) BIPYRIDINE METAL COMPLEX" MACROMOLECULAR: RAPID COMMUNICATIONS, DE, WILEY VCH, WEINHEIM, vol. 18, no. 12, 1 December 1997 (1997-12-01), pages 1009-1016, XP000738968 ISSN: 1022-1336 cited in the application  
(3) KITAMURA, CHITOSHI ET AL: "Design of Narrow - Bandgap Polymers. Synthese and Properties of Monomers and Polymers Containing Aromatic - Donor and o-Quinoid-Acceptor Units" CHEM. MATER. (1996), 8(2), 570-8 , XP002165567 cited in the application  
IPCI C09K0011-06 [I,A ]; H05B0033-14 [I,A ]; H01L0051-20 [I,A ]  
C09K0011-06 [I,C\*]; H05B0033-14 [I,C\*]; H01L0051-20 [I,C\*]  
L7 ANSWER 2 OF 11 PCTFULL COPYRIGHT 2009 Univentio on STN  
AN 2005056638 PCTFULL ED 20050628 EW 200525  
TIEN OLIGOMERS AND POLYMERS  
TIFR OLIGOMERES ET POLYMERES  
PA COVION ORGANIC SEMICONDUCTORS GMBH, Industriepark Hochst, F 821, 65926 Frankfurt am Main, DE [DE, DE], for all designates States except US  
AG DOERR, Klaus, Industriepark Hoechst, Geb. F 821, 65926 Frankfurt am Main, DE  
LAF English  
LA English  
DT Patent  
PI WO 2005056638 A1 20050623  
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PRAI EP 2003-03028789.0 20031213  
AI WO 2004-EP14152 A 20041213  
ICM C08G073-00  
ICS C08G073-02; C08G061-12; C08G061-00; C09K011-06; H01L051-30; H01B001-12

L7 ANSWER 3 OF 11 PCTFULL COPYRIGHT 2009 Univentio on STN  
AN 2005047363 PCTFULL ED 20050531 EW 200521  
TIEN DIBENZOSILOL POLYMERS, THEIR PREPARATION AND USES  
TIFR POLYMERES DE DIBENZOSILOL, PREPARATION ET UTILISATIONS ASSOCIEES  
IN TOWNS, Carl, Cambridge Display Technology Limited, Building 2020, Cambourne Busines Park, Cambridgeshire CB3 6DW, GB [GB, GB]; MAK, Chris, Melville Laboratory for Polymer Synthesis, (Department of Chemistry), Lensfield Road, Cambridge CB2 1EW, GB [GB, DE]; CHAN, Khai, Leok, Peterhouse, Trumpington Street, Cambridge CB2 1RD, GB [SG, GB]; HOLMES, Andrew, Bruce, Melville Laboratory for Polymer Synthesis, (Department of Chemistry), Lensfield Road, Cambridge CB2 1EW, GB [AU, GB]

PA CAMBRIDGE DISPLAY TECHNOLOGY LIMITED, Building 2020, Cambourne Business Park, Cambridgeshire CB3 6DW, GB [GB, GB], for all designates States except US; CAMBRIDGE UNIVERSITY TECHNICAL SERVICE LIMITED, The Old Schools, Trinity Lane, Cambridge CB2 1TN, GB [GB, GB], for all designates States except US; TOWNS, Carl, Cambridge Display Technology Limited, Building 2020, Cambourne Busines Park, Cambridgeshire CB3 6DW, GB [GB, GB], for US only; MAK, Chris, Melville Laboratory for Polymer Synthesis, (Department of Chemistry), Lensfield Road, Cambridge CB2 1EW, GB [GB, DE], for US only; CHAN, Khai, Leok, Peterhouse, Trumpington Street, Cambridge CB2 1RD, GB [SG, GB], for US only; HOLMES, Andrew, Bruce, Melville Laboratory for Polymer Synthesis, (Department of Chemistry), Lensfield Road, Cambridge CB2 1EW, GB [AU, GB], for US only

AG ANWAR, Gilani, Cambridge Display Technology Limited, Building 2020, Cambourne Business Park, Cambridgeshire CB3 6DW, GB

LAF English  
LA English  
DT Patent

PI WO 2005047363 A1 20050526

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PRAI GB 2003-0326138.5 20031110  
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AI WO 2004-GB4754 A 20041110  
ICM C08G061-12

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ICS C07F007-18; C07F007-08

L7 ANSWER 4 OF 11 PCTFULL COPYRIGHT 2009 Univentio on STN  
AN 2005017065 PCTFULL ED 20050302 EW 200508  
TIEN OLIGOMER AND POLYMER COMPRISING TRIPHENYL PHOSPHINE UNITS  
TIFR OLIGOMERE ET POLYMERES COMPORTANT DES UNITES PHOSPHINE TRIPHENYLE  
IN TOWNS, Carl, Crown Cottage, 193 Silver Street, Mountfitchet, Stansted,  
Essex. CM24 8HB, GB [GB, GB];  
REES, Ian, 3 Celtic House, Hooper Street, Cambridge CB1 3EQ, GB [GB,  
GB];  
GRIZZI, Ilaria, 220 Cromwell Road, Cambridge, CB1 3EQ, GB [GB, GB];  
WALLACE, Paul, 11 Redwing Rise, Royston, Hertfordshire SG8 7XU, GB [GB,  
GB]  
PA COVION ORGANIC SEMICONDUCTORS GMBH, 65926 Frankfurt am Main, DE [DE,  
DE], for all designates States except US;  
TOWNS, Carl, Crown Cottage, 193 Silver Street, Mountfitchet, Stansted,  
Essex. CM24 8HB, GB [GB, GB], for US only;  
REES, Ian, 3 Celtic House, Hooper Street, Cambridge CB1 3EQ, GB [GB,  
GB], for US only;  
GRIZZI, Ilaria, 220 Cromwell Road, Cambridge, CB1 3EQ, GB [GB, GB], for  
US only;  
WALLACE, Paul, 11 Redwing Rise, Royston, Hertfordshire SG8 7XU, GB [GB,  
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AG DOERR, Klaus, Industriepark Hoechst, Geb. F821, 65926 Frankfurt am Main,  
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LA English  
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RW-U (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
PRAI EP 2003-03018832.0 20030819  
AI WO 2004-EP9249 A 20040818  
ICM C09K011-06  
ICS C08G061-12

L7 ANSWER 5 OF 11 PCTFULL COPYRIGHT 2009 Univentio on STN  
AN 2005013386 PCTFULL ED 20050215 EW 200506  
TIEN ELECTROLUMINESCENT DEVICE  
TIFR DISPOSITIF ELECTROLUMINESCENT  
IN GILANI, A., CDT Oxford Limited, Building 2020, Cambourne Busines Park,  
Cambridgeshire, CB3 6DW, GB [GB, GB];  
STEUDEL, Annette, Regine, CDT Limited, Building 2020, Cambourne Busines  
Park, Cambridgeshire, CB3 6DW, GB [DE, GB];  
PILLOW, Jonathan, CDT Limited, Building 2020, Cambourne Busines Park,  
Cambridgeshire, CB3 6DW, GB [GB, GB];



ductruong

FRAMPTON, Michael, CDT Limited, Building 2020, Cambourne Busines Park,  
Cambridgeshire, CB3 6DW, GB [GB, GB]  
PA CDT OXFORD LIMITED, Building 2020, Cambourne Busines Park,  
Cambridgeshire, CB3 6DW, GB [GB, GB], for all designates States except  
US;  
GILANI, A., CDT Oxford Limited, Building 2020, Cambourne Busines Park,  
Cambridgeshire, CB3 6DW, GB [GB, GB], for US only;  
STEUDEL, Annette, Regine, CDT Limited, Building 2020, Cambourne Busines  
Park, Cambridgeshire, CB3 6DW, GB [DE, GB], for US only;  
PILLOW, Jonathan, CDT Limited, Building 2020, Cambourne Busines Park,  
Cambridgeshire, CB3 6DW, GB [GB, GB], for US only;  
FRAMPTON, Michael, CDT Limited, Building 2020, Cambourne Busines Park,  
Cambridgeshire, CB3 6DW, GB [GB, GB], for US only  
AG GILANI, Anwar, c/o IP Department, CDT Limited, Building 2020, Cambourne  
Busines Park, Cambridgeshire, CB3 6DW, GB  
LAF English  
LA English  
DT Patent  
PI WO 2005013386 A2 20050210  
DS W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR  
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RW-U (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
PRAI GB 2003-0318018.9 20030801  
GB 2003-0318756.4 20030811  
AI WO 2004-GB3332 A 20040802  
ICM H01L051-00  
  
L7 ANSWER 6 OF 11 PCTFULL COPYRIGHT 2009 Univentio on STN  
AN 2004106409 PCTFULL ED 20041215 EW 200450  
TIEN POLYMER  
TIFR POLYMERE  
IN WALLACE, Paul, 11, Redwing Rise, Royston, Hertfordshire SG8 7XU, GB [GB,  
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DE  
LAF English  
LA English  
DT Patent  
PI WO 2004106409 A1 20041209  
DS W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR  
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IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG  
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SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM  
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RW-U (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
PRAI EP 2003-0312409.3 20030530  
AI WO 2004-EP5818 A 20040528  
ICM C08G073-00  
ICS C08G061-00; C08G061-12; H01L051-00; H01L051-30  
  
L7 ANSWER 7 OF 11 PCTFULL COPYRIGHT 2009 Univentio on STN  
AN 2002083760 PCTFULL ED 20021107 EW 200243  
TIEN POLYMER, ITS PREPARATION AND USES  
TIFR POLYMERE, SA PREPARATION ET SES UTILISATIONS  
IN O'DELL, Richard, 53 Bearton Green, Hitchin, Hertfordshire SG5 1UL, GB  
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LAF English  
LA English  
DT Patent  
PI WO 2002083760 A2 20021024  
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
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PRAI GB 2001-0109108.1 20010411  
AI WO 2002-GB1585 A 20020410  
ICM C08G061-00  
  
L7 ANSWER 8 OF 11 PCTFULL COPYRIGHT 2009 Univentio on STN  
AN 2002059121 PCTFULL ED 20020809 EW 200231  
TIEN MONOMER FOR USE IN PREPARATION OF A POLYMER TO BE USED IN OPTICAL  
DEVICES  
TIFR MONOMERE DESTINE A LA PREPARATION D'UN POLYMERE INTERVENANT DANS DES

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APPAREILS OPTIQUES

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LAF English

LA English

DT Patent

PI WO 2002059121 A1 20020801

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PRAI GB 2001-0101824.1 20010124

GB 2001-0114538.2 20010614

US 2001-60/310,588 20010807

AI WO 2002-GB294 A 20020123

ICM C07D417-14

ICS C08G061-10; C09K011-06; H01L051-20

L7 ANSWER 9 OF 11 PCTFULL COPYRIGHT 2009 Univentio on STN

AN 2001062869 PCTFULL ED 20020822

TIEN LUMINESCENT POLYMER

TIFR POLYMERE LUMINESCENT

IN TOWNS, Carl, Robert; O'DELL, Richard; LUX, Andrea

PA CAMBRIDGE DISPLAY TECHNOLOGY LIMITED; TOWNS, Carl, Robert; O'DELL, Richard; LUX, Andrea

DT Patent

PI WO 2001062869 A1 20010830

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AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB  
GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GW ML  
MR NE SN TD TG

PRAI GB 2000-0004541.9 20000225  
GB 2000-PCT/GB00/00911 20000313  
US 2000-60/207,724 20000526  
AI WO 2001-GB825 A 20010226  
ICM C09K011-06  
ICS H05B033-14; H01L051-20

L7 ANSWER 10 OF 11 USPATFULL on STN  
AN 2007:284286 USPATFULL  
TI Dibenzosilol Polymers, Their Preparation and Uses  
IN Towns, Carl R., Essex, UNITED KINGDOM  
Mak, Chris, Kowloon, HONG KONG  
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Holmes, Andrew Bruce, Victoria, AUSTRALIA

PI US 20070248839 A1 20071025  
AI US 2004-578895 A1 20041110 (10)  
WO 2004-GB4754 20041110  
20070608 PCT 371 date

PRAI GB 2003-26138 20031110  
GB 2004-13205 20040614

DT Utility  
FS APPLICATION

LN.CNT 1123

INCL INCLM: 428/690.000  
INCLS: 528/380.000

NCL NCLM: 428/690.000  
NCLS: 528/380.000

IC IPCI C08G0061-12 [I,A]; C08G0061-00 [I,C\*]; C07F0007-18 [I,A];  
C07F0007-00 [I,C\*]  
IPCR C08G0061-00 [I,C]; C08G0061-12 [I,A]; C07F0007-00 [I,C];  
C07F0007-08 [I,A]; C07F0007-18 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 11 OF 11 USPATFULL on STN

AN 2006:282258 USPATFULL

TI Polymer

IN Wallace, Paul, 11 Redwing Rise Royston, Hertfordshire, UNITED KINGDOM  
SG8 7XU

PA Covion Organic Semiconductors GmbH, Frankfurt am Main, GERMANY, FEDERAL  
REPUBLIC OF, D-65926 (non-U.S. corporation)

PI US 20060241202 A1 20061026

AI US 2004-558578 A1 20040528 (10)

WO 2004-EP5818 20040528

20060201 PCT 371 date

PRAI EP 2003-12409 20030530

DT Utility

FS APPLICATION

LN.CNT 561

INCL INCLM: 523/001.000

NCL NCLM: 523/001.000

IC IPCI C08G0061-02 [I,A]; C08G0061-00 [I,C\*]; C08J0003-00 [I,A]

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IPCR C08G0061-00 [I,C]; C08G0061-02 [I,A]; C08G0061-00 [I,A];  
C08G0073-00 [I,C\*]; C08G0073-02 [I,A]; C08J0003-00 [I,C];  
C08J0003-00 [I,A]; H01L0051-00 [N,C\*]; H01L0051-00 [N,A];  
H01L0051-05 [I,C\*]; H01L0051-30 [I,A]; H01L0051-50 [N,C\*];  
H01L0051-50 [N,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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